

Figure 1

1/16

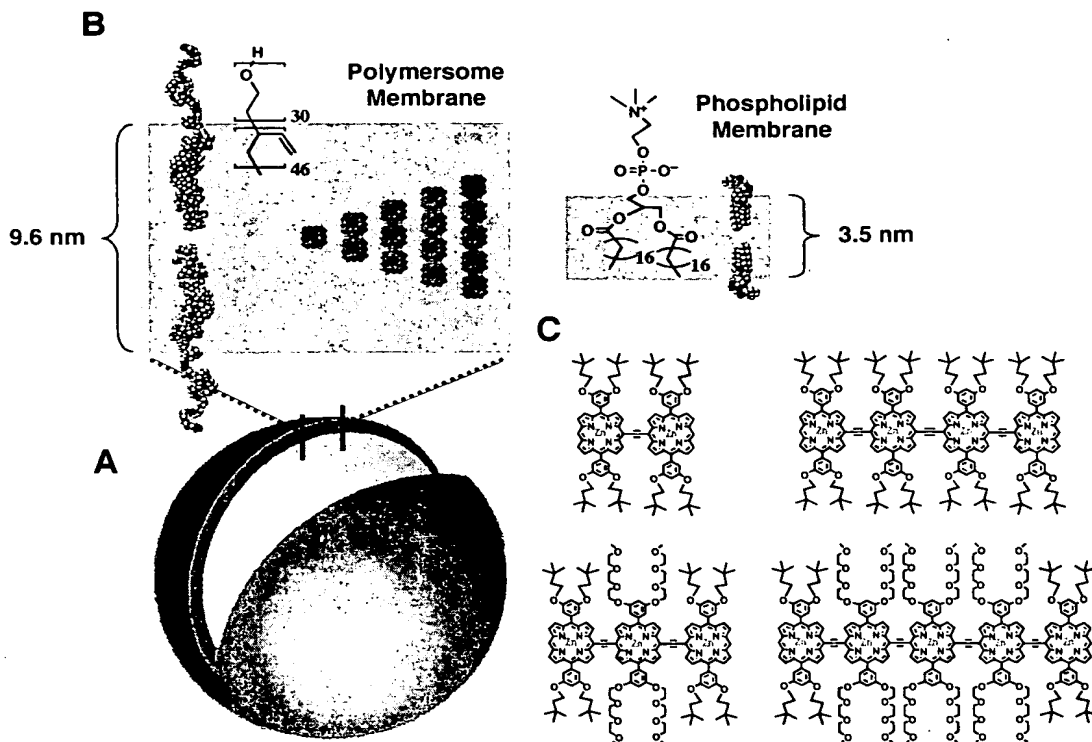
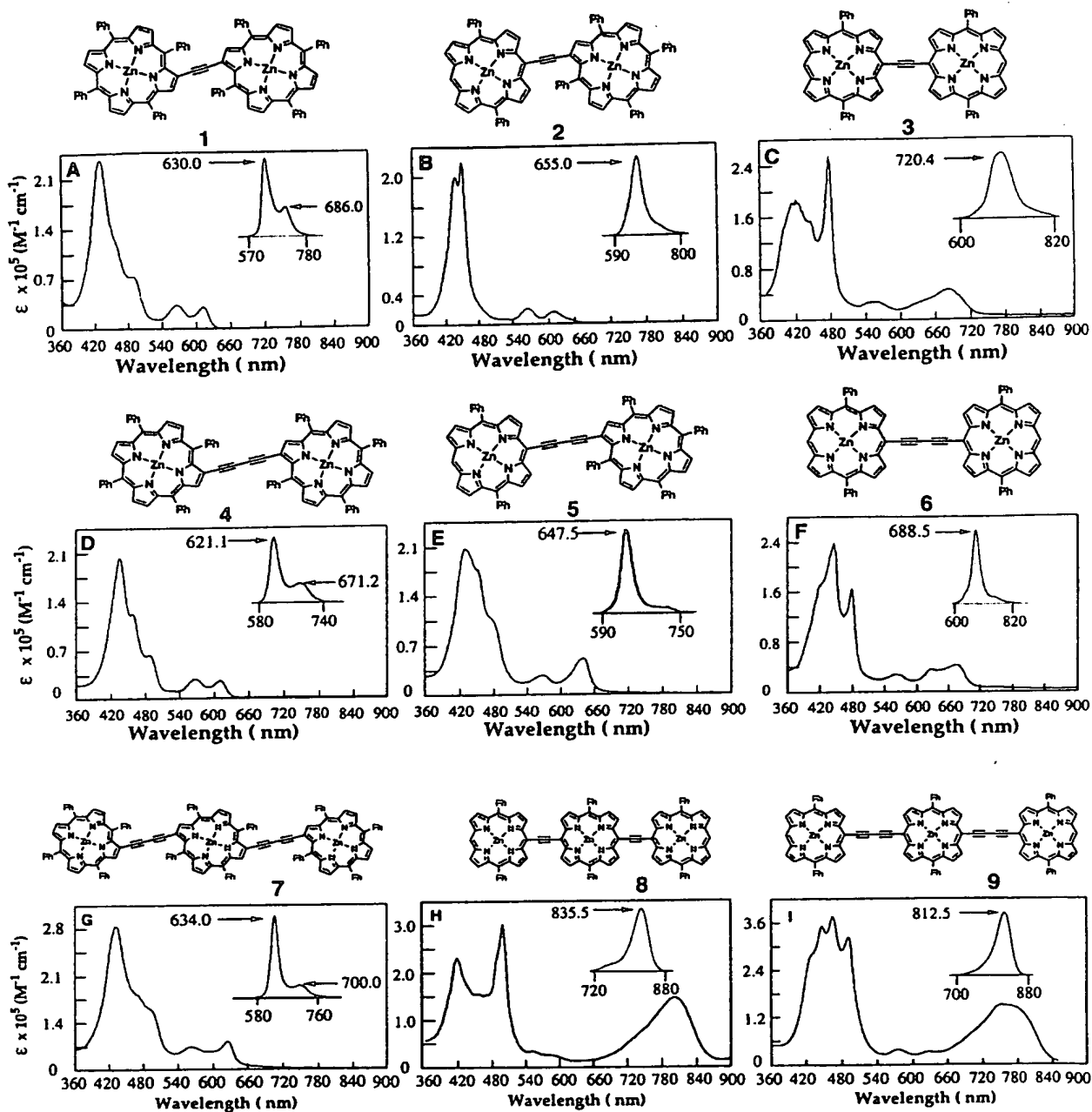


Figure 2

2/16



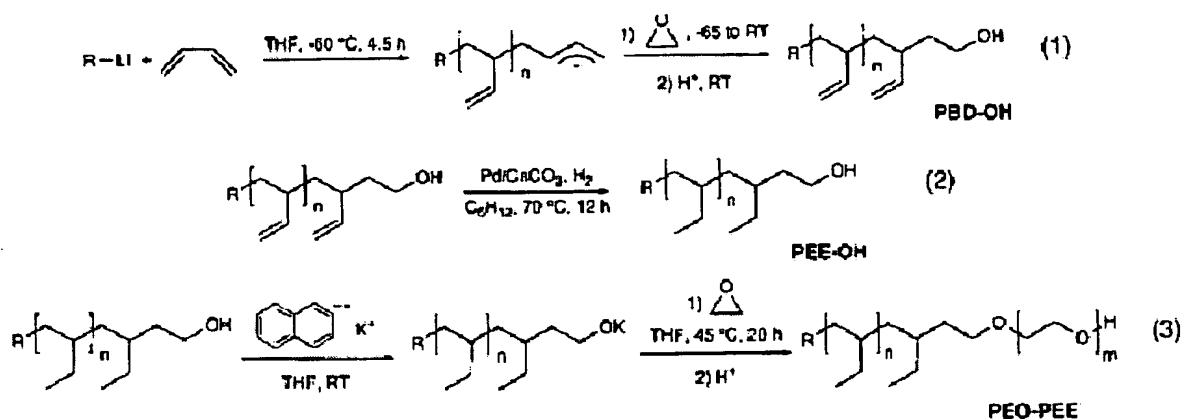


Figure 4

4/16

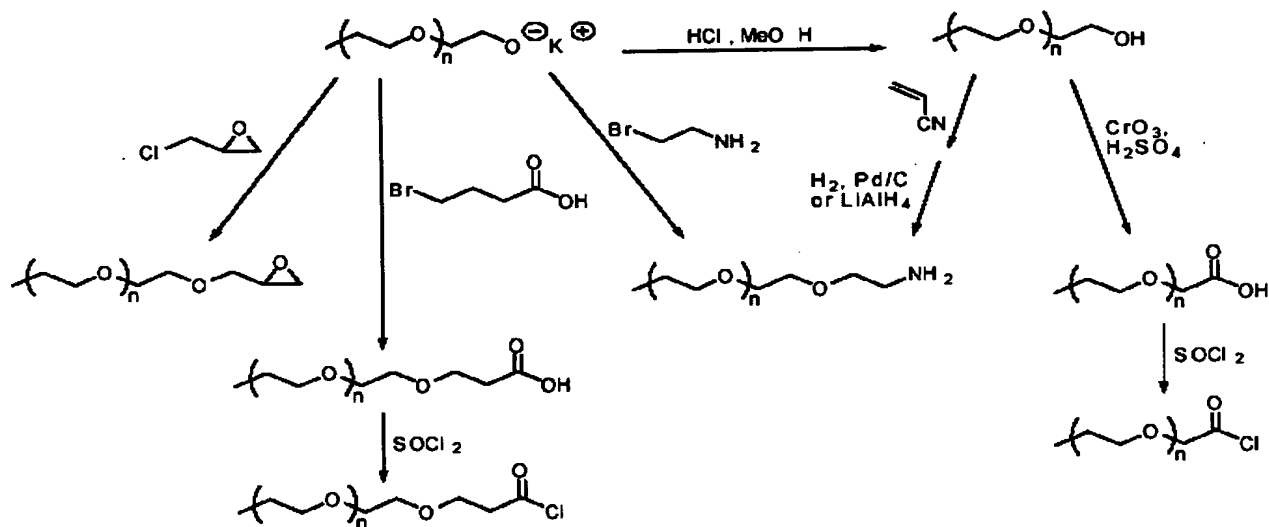


Figure 5

5/16

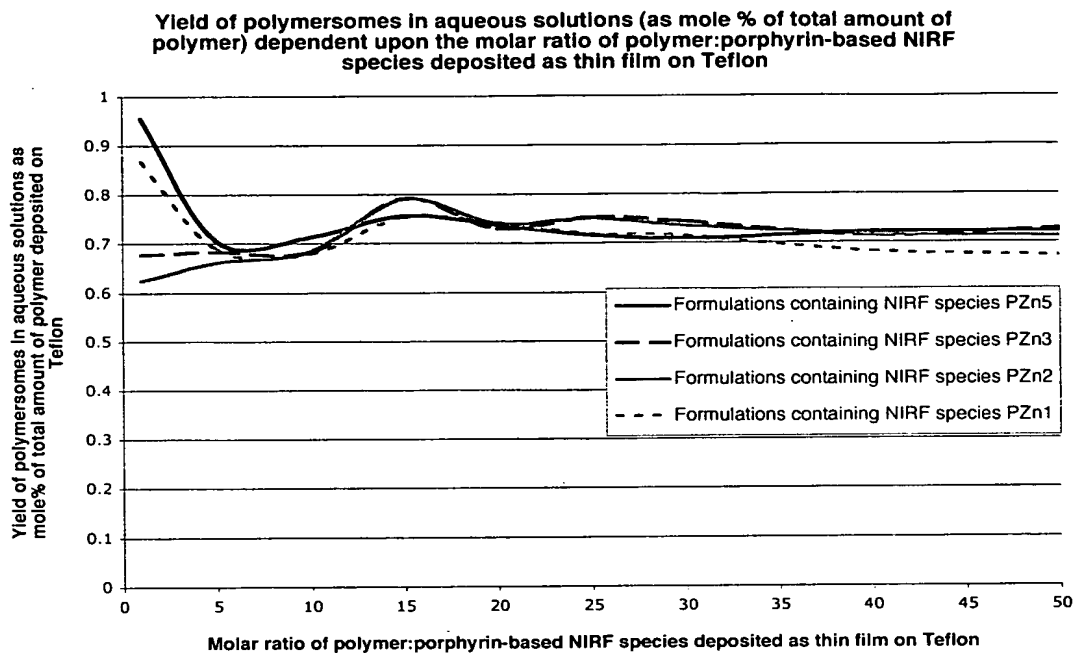


Figure 6

6/16

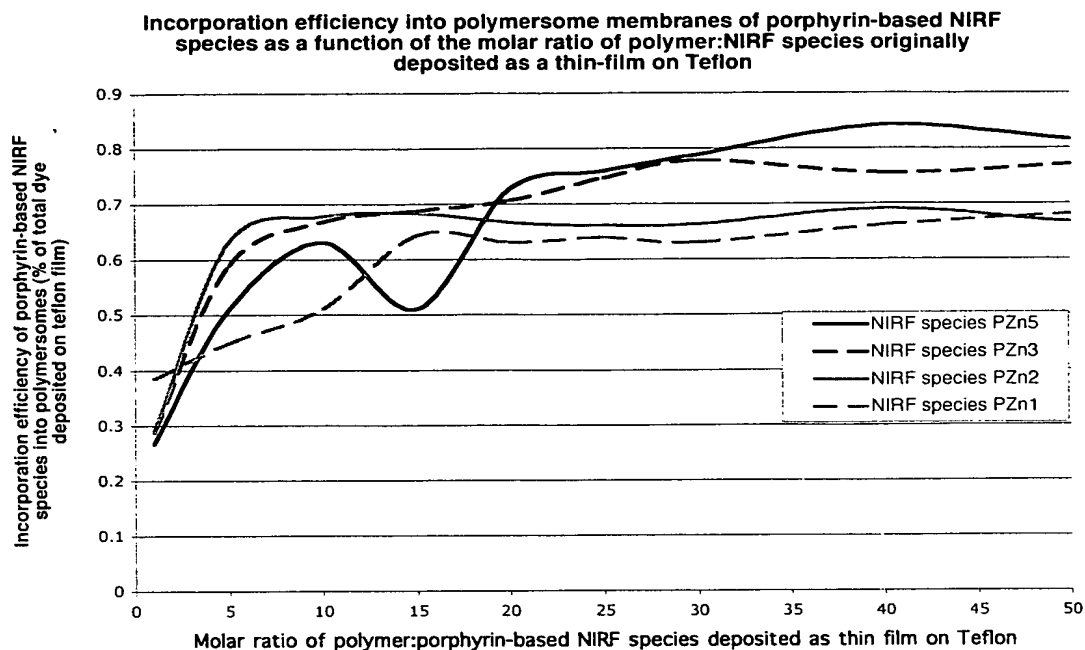


Figure 7

7/16

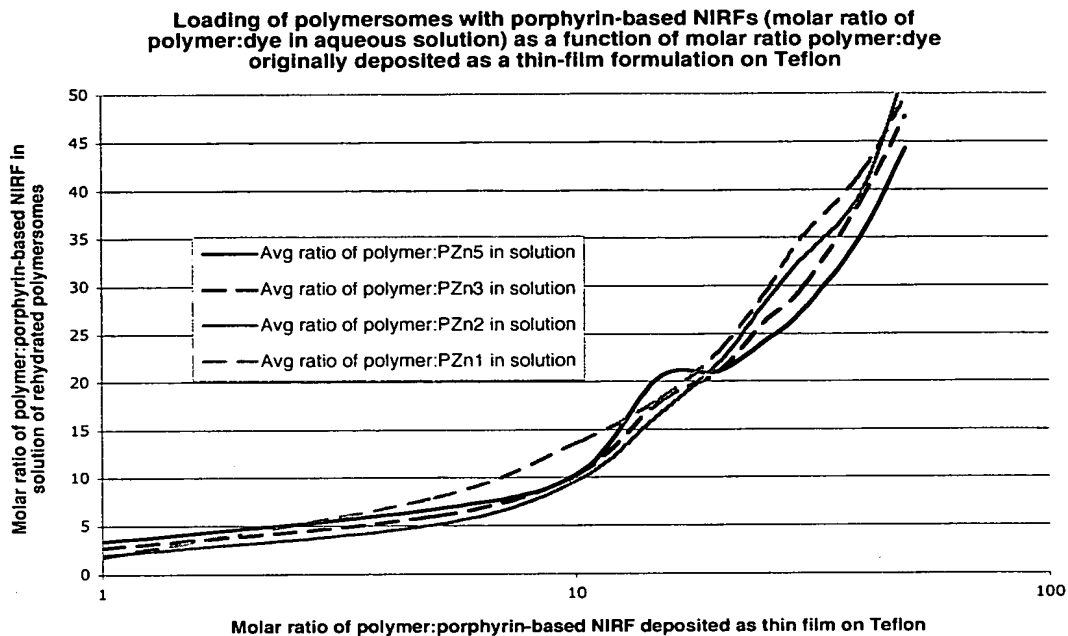


Figure 8

8/16

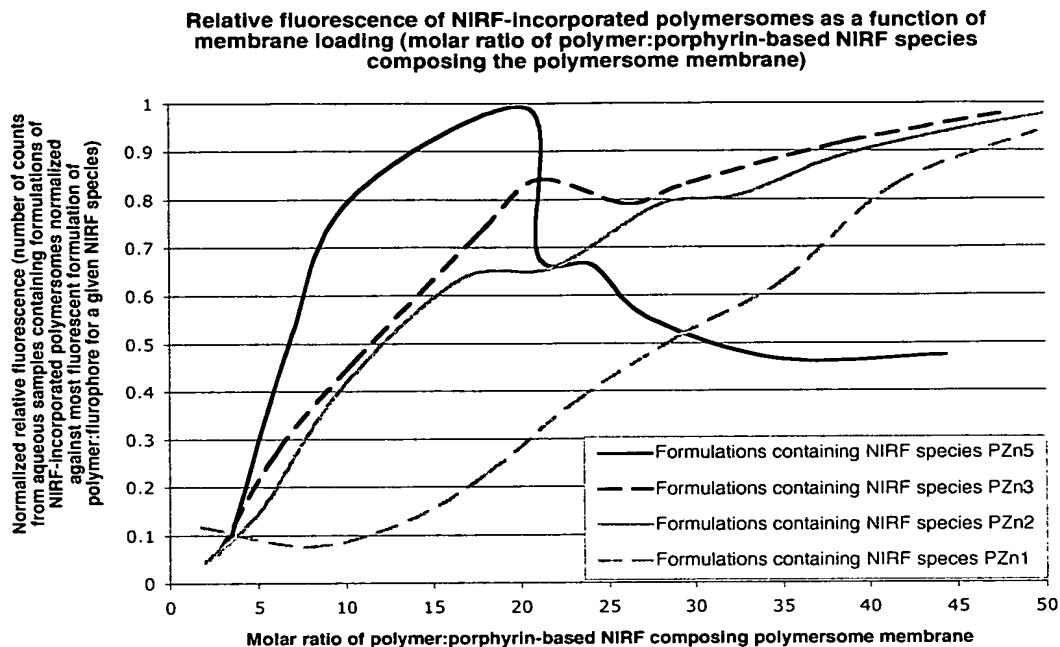


Figure 9

9/16

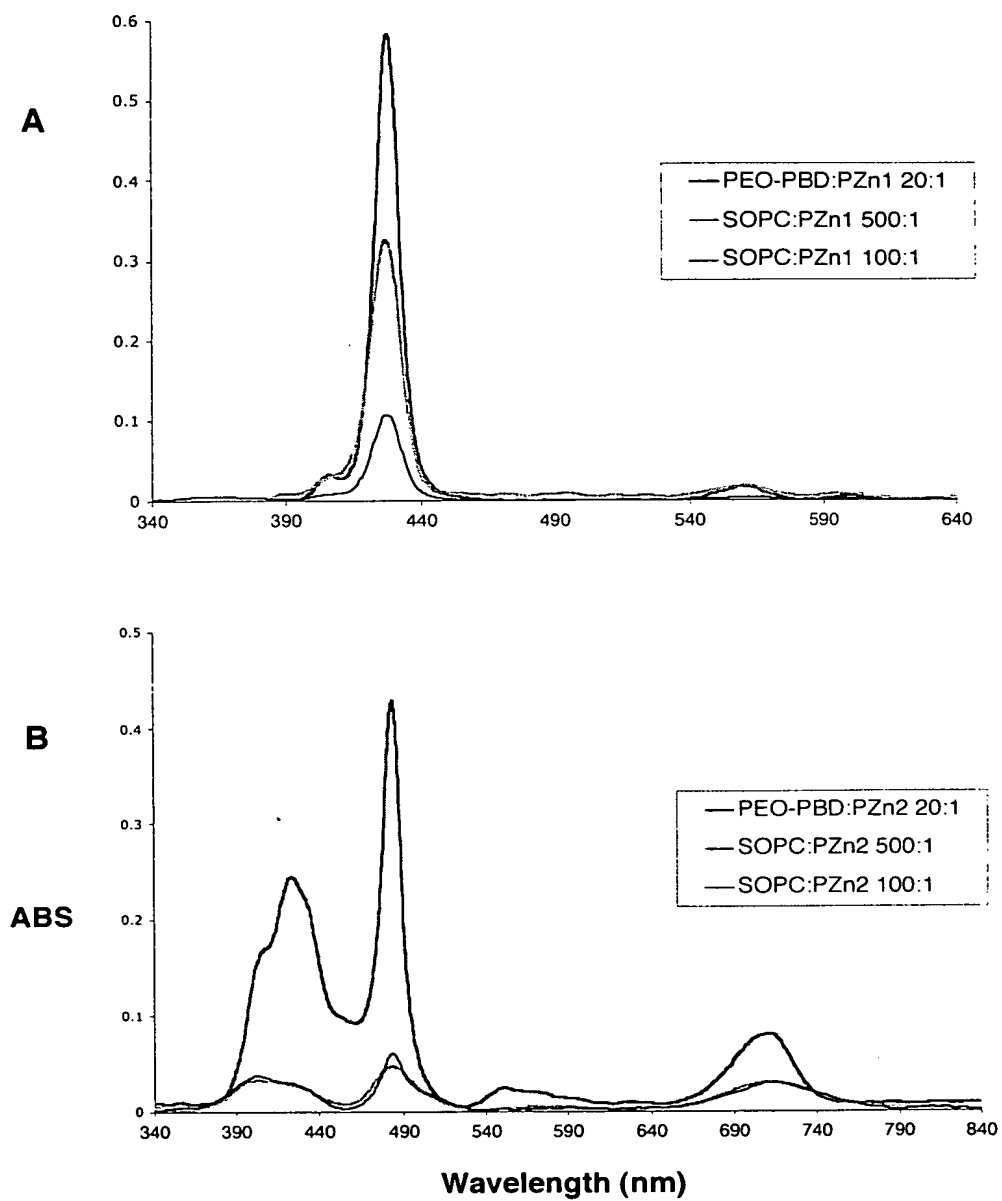


Figure 10

10/16

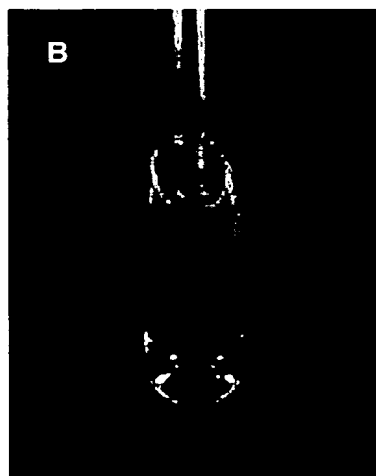
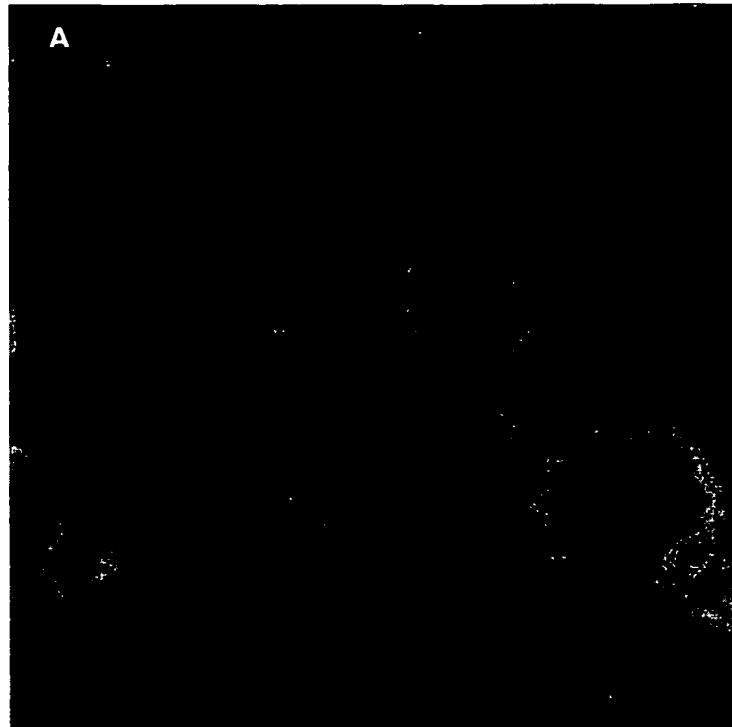


Figure 11

11/16

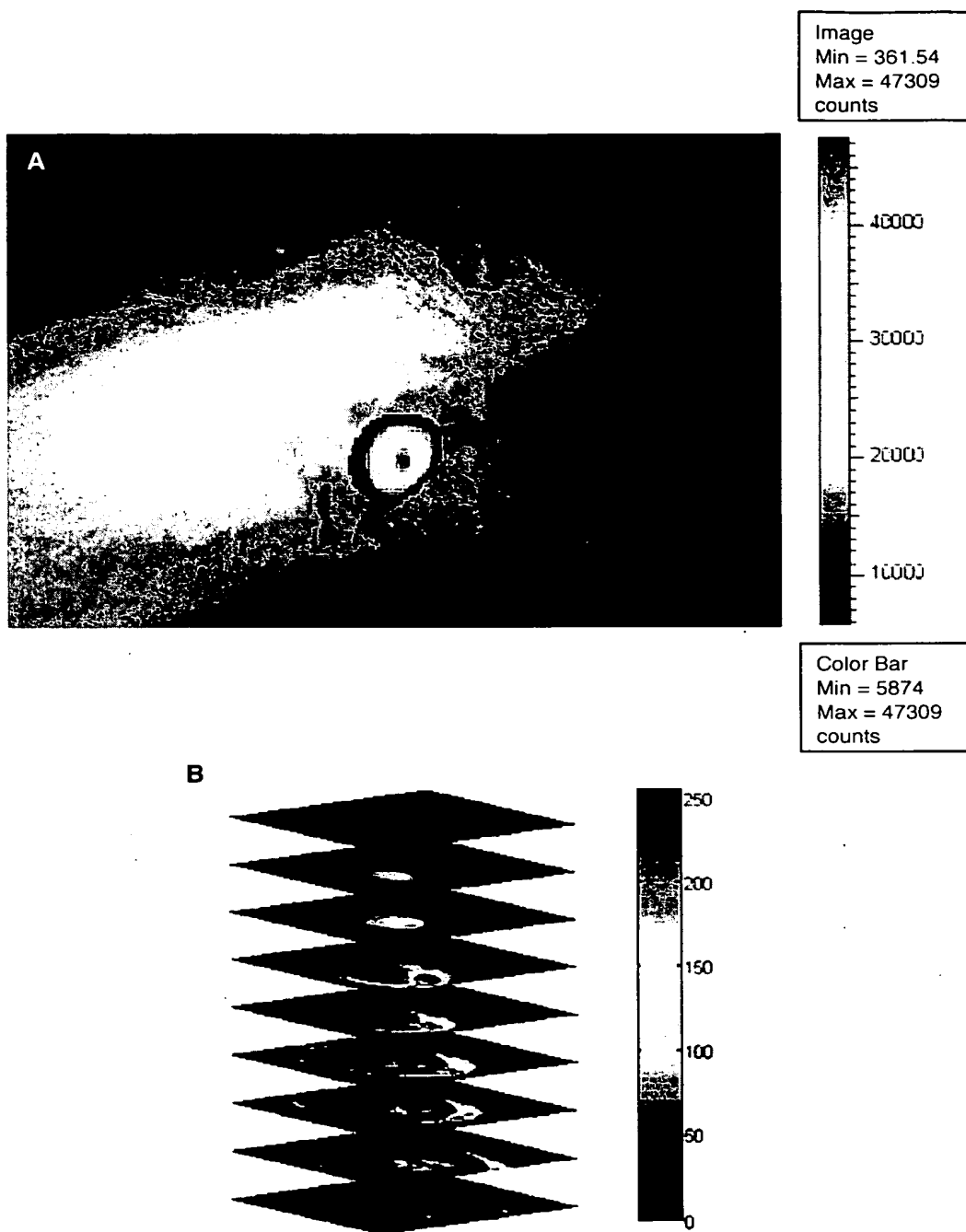


Figure 12

12/16

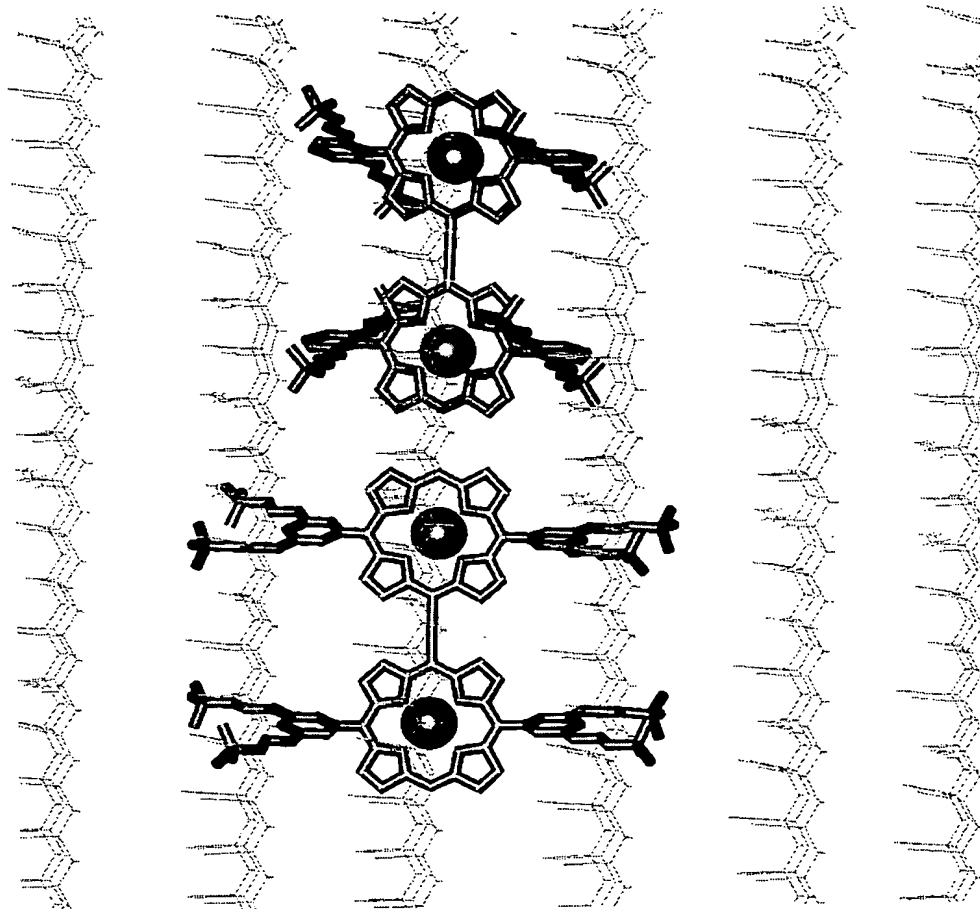
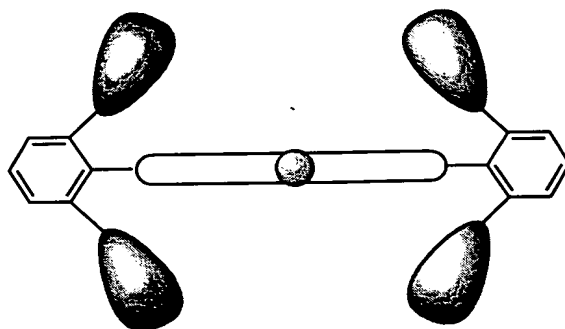


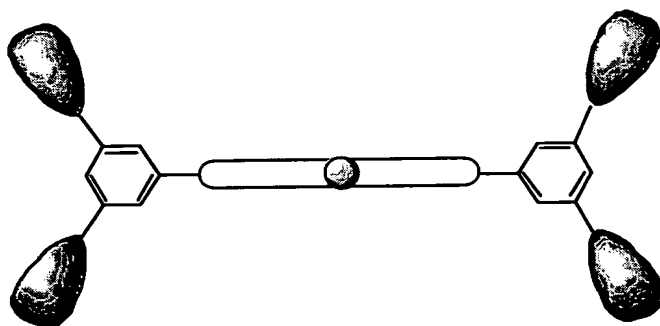
Figure 13

13/16

2, 6 substitution –



3, 5 substitution –



- 2,6 substituted oligomers experience blue-shift in fluorescence emission when incorporated in polymersomes as compared to free compound in THF
- 3,5 substituted oligomers experience red-shift in fluorescence emission when incorporated in polymersomes as compared to free compound in THF

Figure 14

14/16

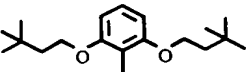
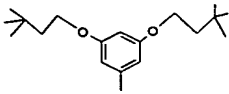
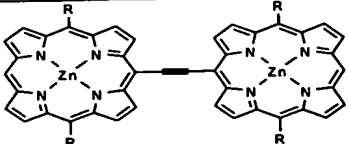
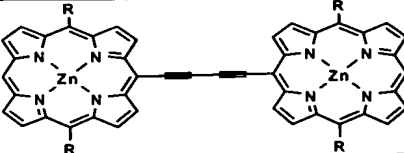
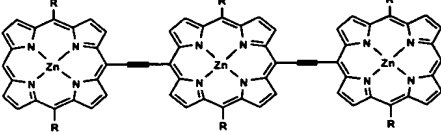
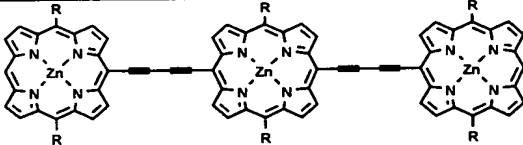
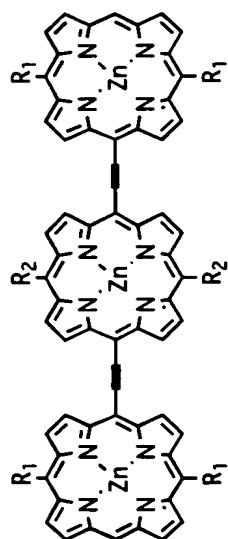
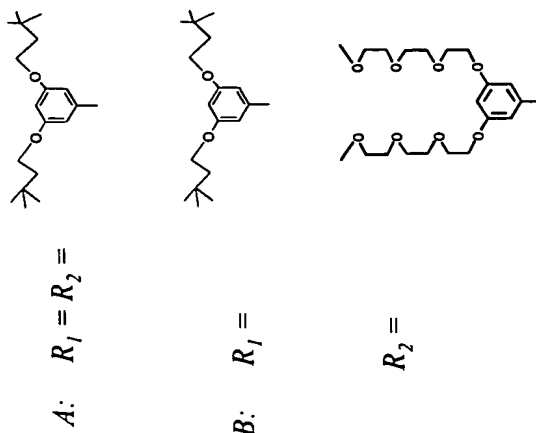
Compound	Emission in THF	R=  in polymersomes	R=  in polymersomes
	708 nm	-13 nm	+15 nm
	685 nm	-5 nm	+12 nm
	797 nm	-35 nm	+20 nm
	757	Same	Same

Figure 15

- Based on nature of R group off of phenyl ring



e.g. 3, 5 substituted meso-to-meso ethyne-bridged trimer



Fluorescence Emission from 3,5 phenyl-substituted meso-to-meso Ethyne-bridged Porphyrin Trimers (with varying R-groups) in THF vs Hydrophobic Membrane of OB2 Polymersomes

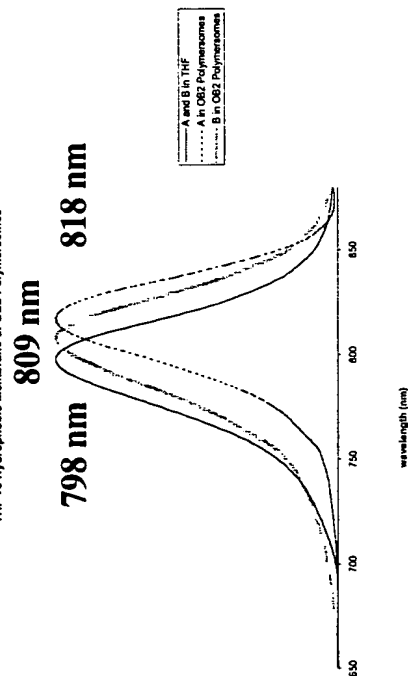


Figure 16

16/16

